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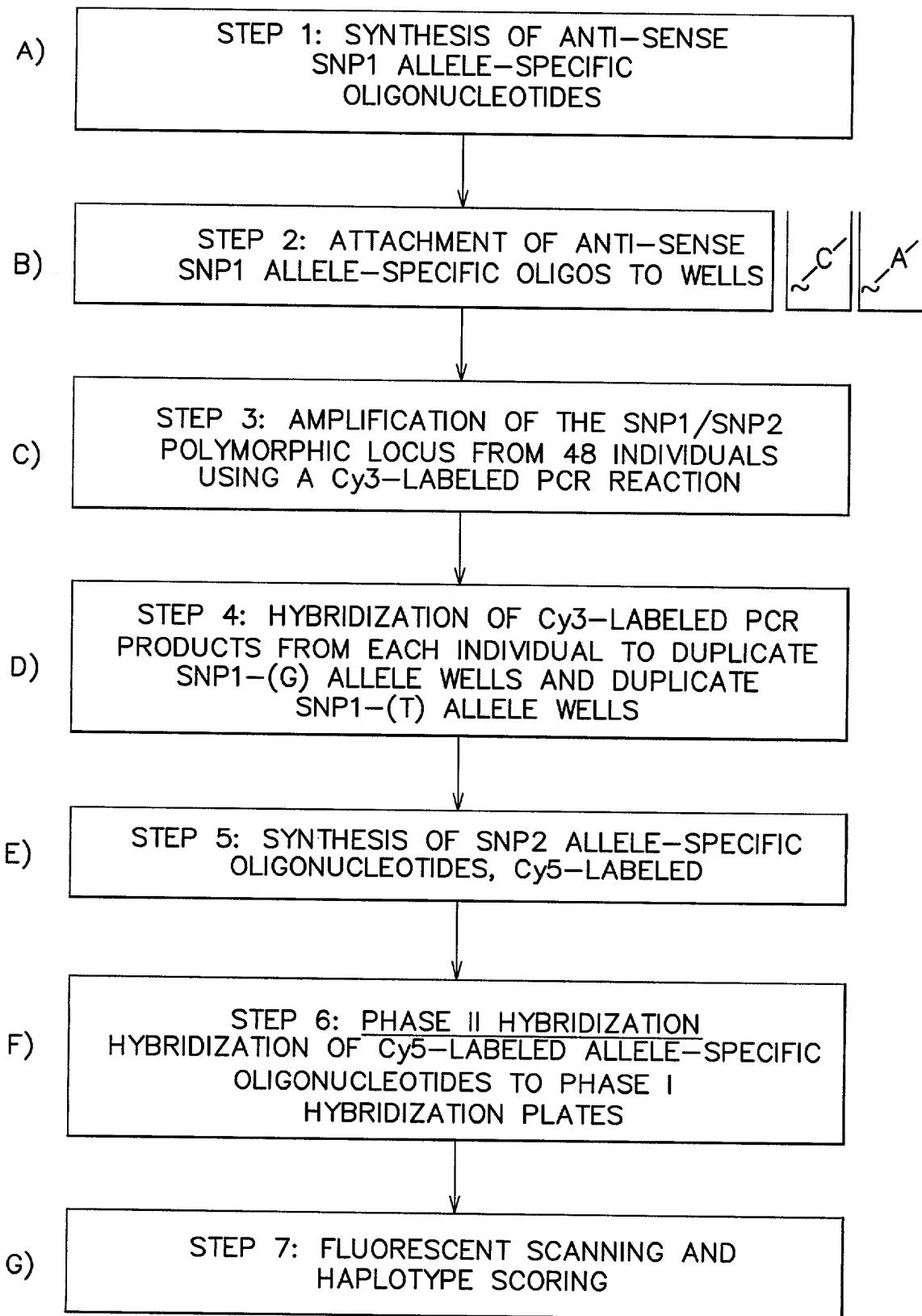


FIG. 1

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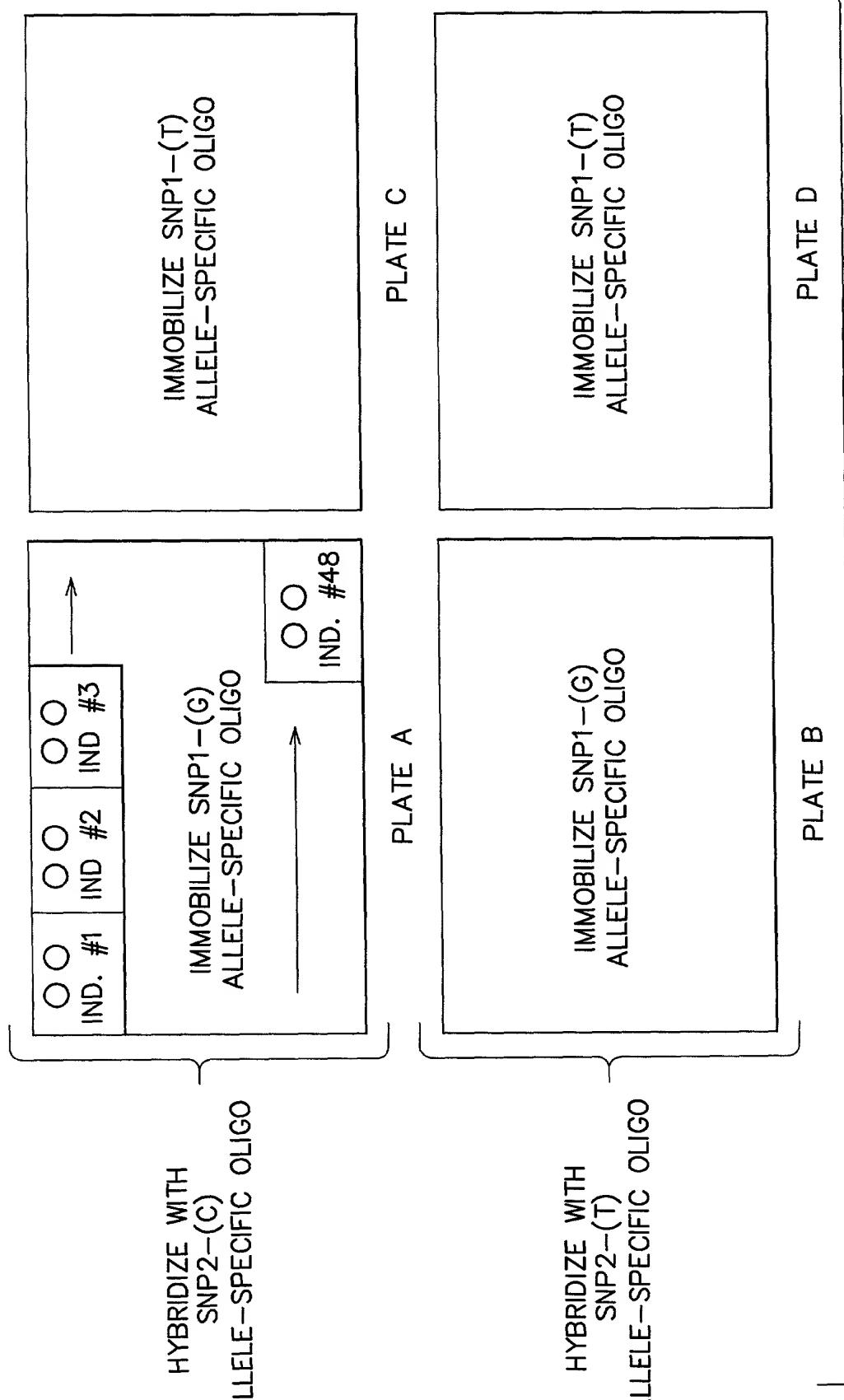


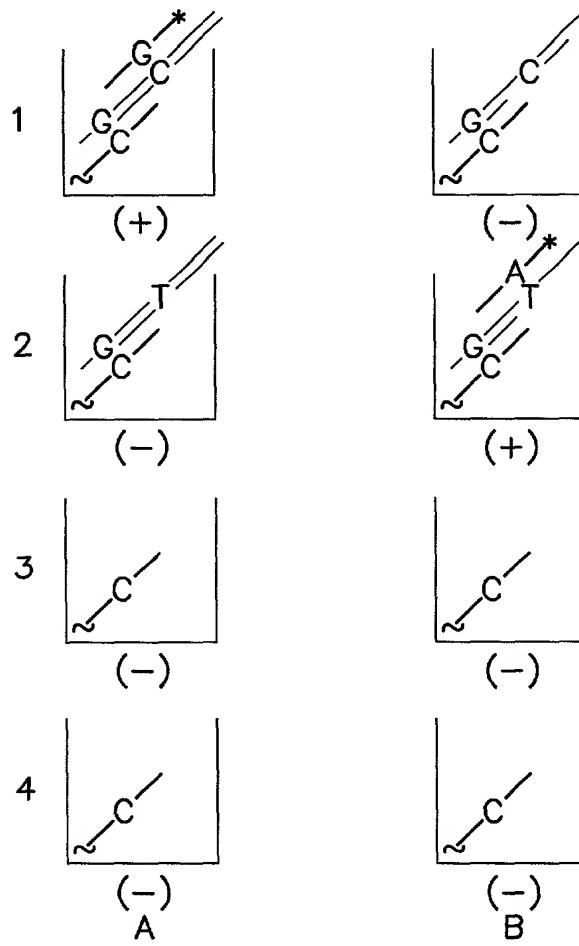
FIG. 2

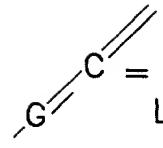
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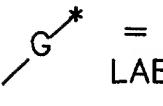
IMMOBILIZED WITH
SNP1-(G)

A

HYBRIDIZE WITH
SNP2-(C) ALLELE-
SPECIFIC OLIGO HYBRIDIZE WITH
SNP2-(T) ALLELE-
SPECIFIC OLIGO



 = PCR AMPLIFIED, Cy3-LABELED SNP1/SNP2 SENSE LOCUS

 = HYBRIDIZED Cy5-LABELED SNP2 ANTI-SENSE OLIGO

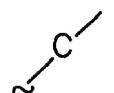
 = IMMOBILIZED ANTI-SENSE SNP1 OLIGO

FIG. 3A

FIG. 3B

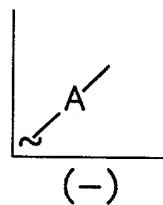
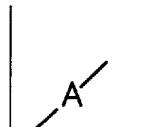
FIG. 3A

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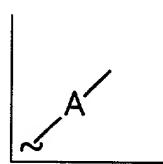
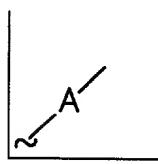
A

IMMOBILIZED WITH
SNP1-(T)

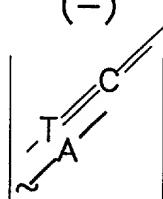
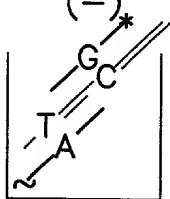
HYBRIDIZE WITH SNP2-(C) ALLELE-SPECIFIC OLIGO HYBRIDIZE WITH SNP2-(T) ALLELE-SPECIFIC OLIGO



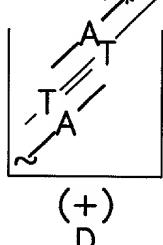
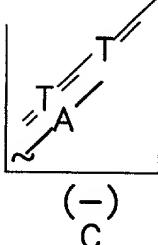
HAPLOTYPE
G C



G T



T C



T T

A

FIG. 3B

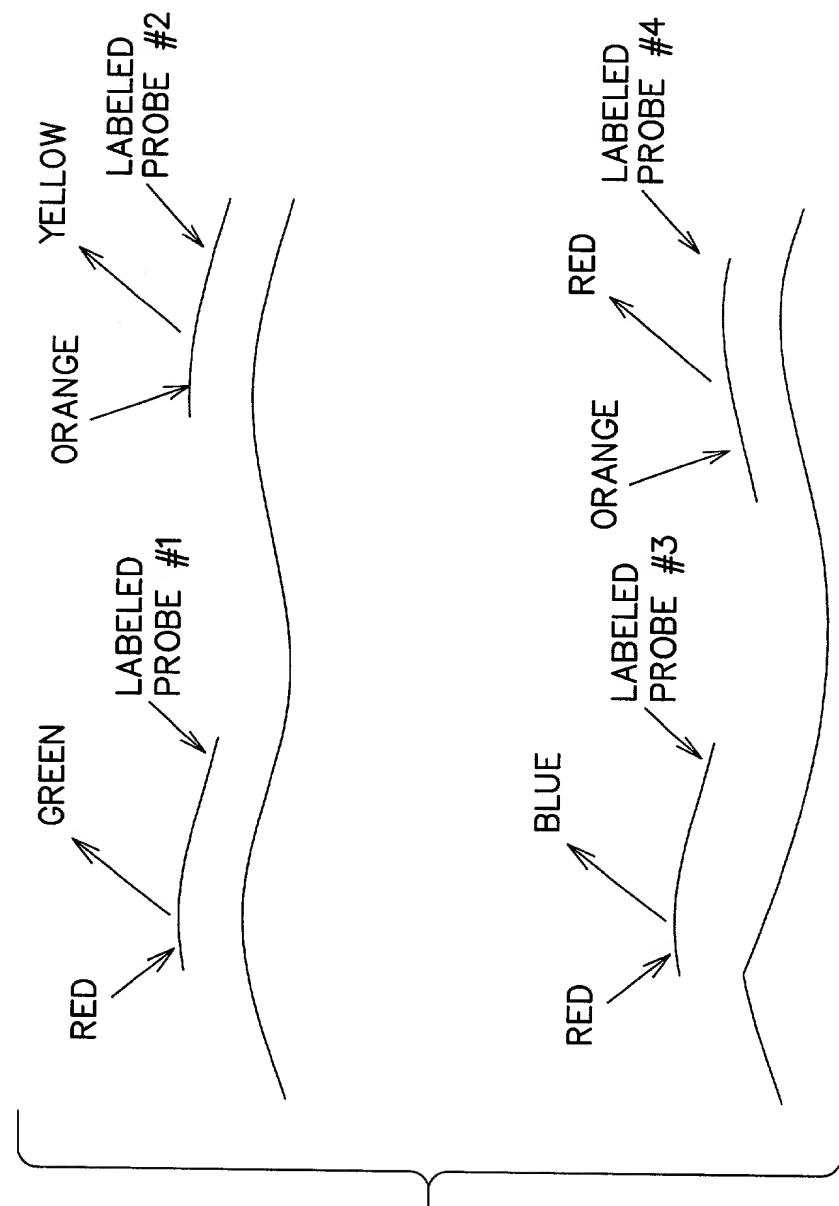


FIG. 4

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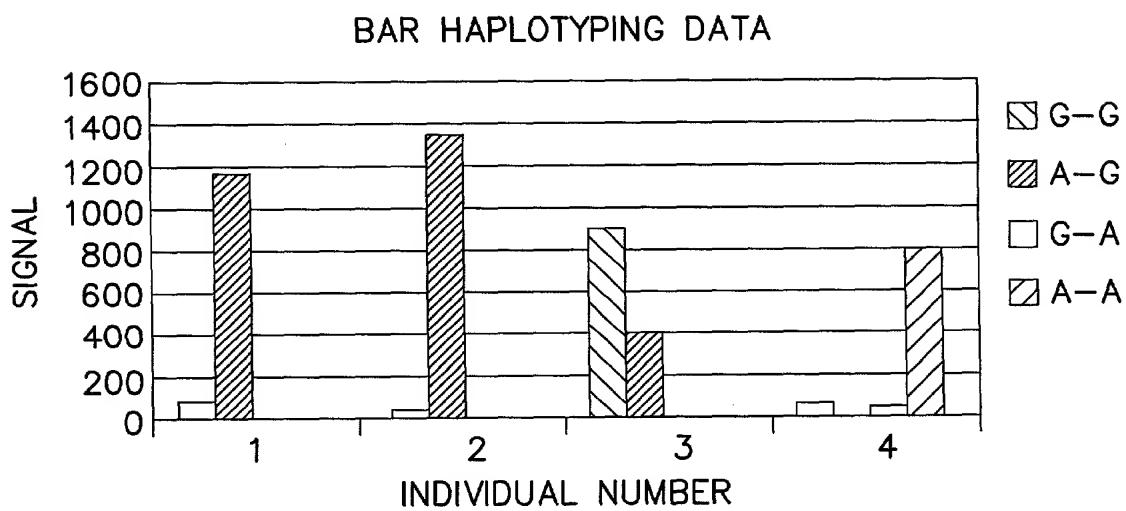
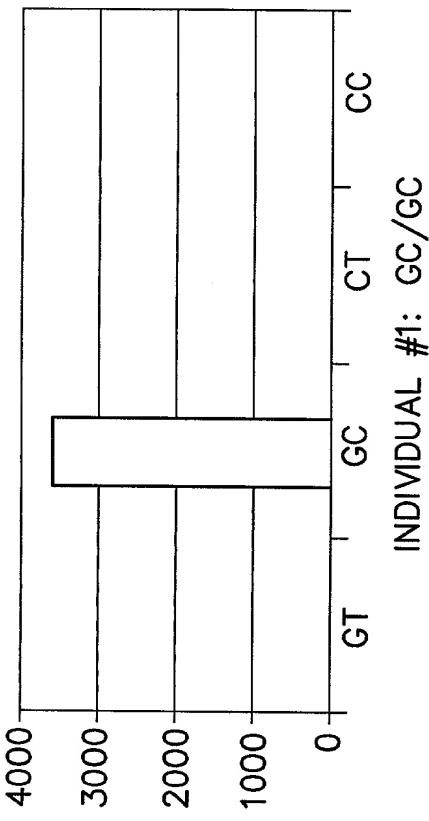
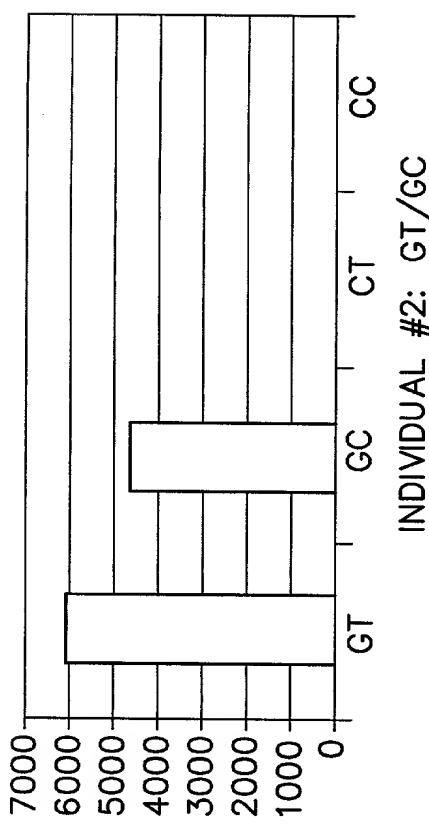


FIG. 5

A) HAPLOTYPE: GC/GC

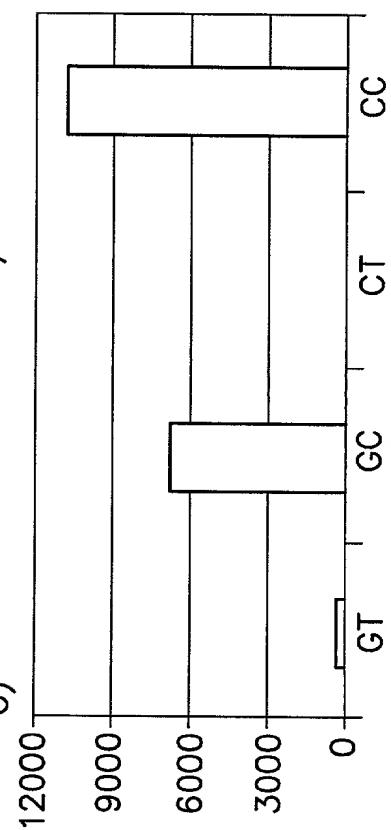


B) HAPLOTYPE: GT/GC



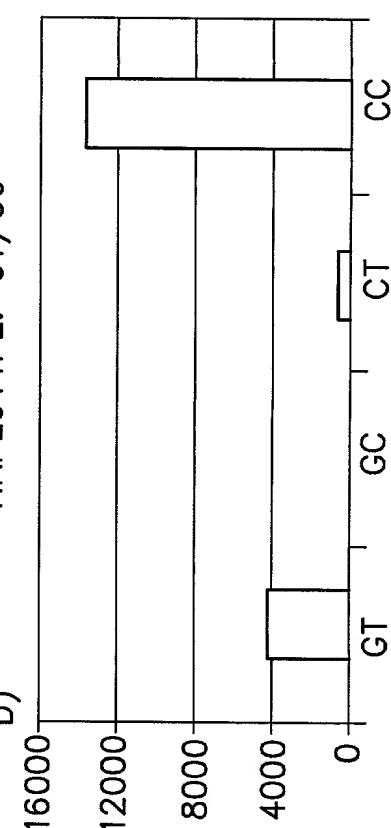
INDIVIDUAL #2: GT/GC

C) HAPLOTYPE: GC/CC



INDIVIDUAL #3: GC/CC

D) HAPLOTYPE: GT/CC



INDIVIDUAL #4: GT/CC

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FIG. 6